# Lecturer Dr. Isam Abdulmunem Abdullah

## Department of Computer Engineering

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## Education:
**PhD, Missouri University of Science and Technology, 2019**
**MSc, Missouri University of Science and Technology, 2015**
**Higher Diploma, Iraqi Commission for Computers & Information, 2002**
**BSc, Al-Mansour University College, 2001**

## Profile:

**Lecturer**                                                              Apr 2004- Aug 2005
Technical College of Baghdad – Computer Science Department
- Lecture planning, preparation, and research
- Contacted and taught time with students
- Courses taught
    o Introduction to Computer Science.
    o Introduction to Programming using C++

**IT Manager**                                                              Jul 2007- Mar 2011
Delta Communication Company
- Worked on Alamin system - wholesale and retail sales management system for accounting, stores, and point of sale. The system was trained in the ASAS company for servers' solution - Dubai – UAE
- Deployed, installed, tested and maintain the physical computer's network and computer machines
- Installed and maintained data center network wiring and equipment tracking
- Installed jacks and faceplates, terminate cables
- Website developer
- Performed other duties as assigned

## Teaching
1. **Embedded Systems**
   This course emphasizes on comprehensive treatment of embedded hardware and real time operating systems along with case studies, in tune with the requirements of Industry. The objective of this course is to enable the students to understand embedded-system programming and apply that knowledge to design and develop embedded solutions.

## 2. English

The overall aims of the course are:

- Enable the learner to communicate effectively and appropriately in real life situation.
- Use English effectively for study purpose across the curriculum;
- Develop interest in and appreciation of Literature;
- Develop and integrate the use of the four language skills i.e. Reading, Listening, Speaking and Writing;
- Revise and reinforce structure already learnt.

# Research Focus

- Data Mining & Machine Learning
- Data Science (esp. Graph Data Mining), Data Analytics, Data privacy and security

# Publications

- **Isam A. Alobaidi,** Sahra Sedigh Sarvestani, and Ali R. Hurson, "Survivability analysis and recovery support for smart grids," In *proceedings of 4th International Symposium on Resilient Cyber Systems (co-sponsored by Idaho Activities National Laboratory)*, Resilience Week (RWS), (Chicago, USA), pp. 33-39, IEEE, 2016 (Status: Published - Best Paper Award)

- **Isam A. Alobaidi**, Jennifer L. Leopold, and Ali A. Allami, "The Use of Frequent Subgraph Mining to Develop a Recommender System for Playing Real-Time Strategy Games," In *proceedings of the 19th Industrial Conference on Data Mining*, ICDM '19, (New York, USA), pp. 146–160, ibai publishing , 2019 (Status: Published)

- Jennifer L. Leopold, **Isam A. Alobaidi**, and Nathan W. Eloe, "Predictive Analysis of Real-Time Strategy Games Using Discriminative Subgraph Mining," In *proceedings of the 19th Industrial Conference on Data Mining*, ICDM '19, (New York, USA), pp. 176–190, ibai publishing, 2019 (Status: Published)

- **Isam A. Alobaidi**, Jennifer L. Leopold, Ali A. Allami, Nathan W. Eloe, and Dustin Tanksley, "Predictive Analysis of Real-Time Strategy Games: A Graph Mining Approach," *Journal of WIREs Data Mining and Knowledge Discovery*, vol. 11, no. 2, pp. e1398, 2021 (Status: Published)

# Affiliations/Activities

### Memberships in professional organizations
- Iraqi Computer Society (ICS)
- Iraqi Engineers Union (IEU)